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DESIGN AND EFFECTS OF ATOMIC WEAPONS

- SWEDEN -

by Torsten Magnusson

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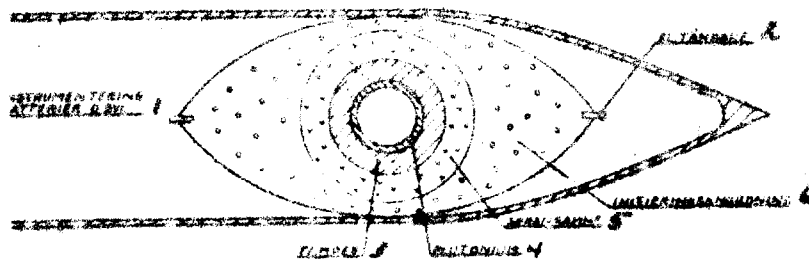
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- | | |
|---------------------------------|---------------------------|
| 1. Instruments, batteries, etc. | 4. Plutonium |
| 2. Electric blasting cap | 5. Explosives |
| 3. Taper | 6. Initiating arrangement |

Figure 2. Principal design of uranium bomb.

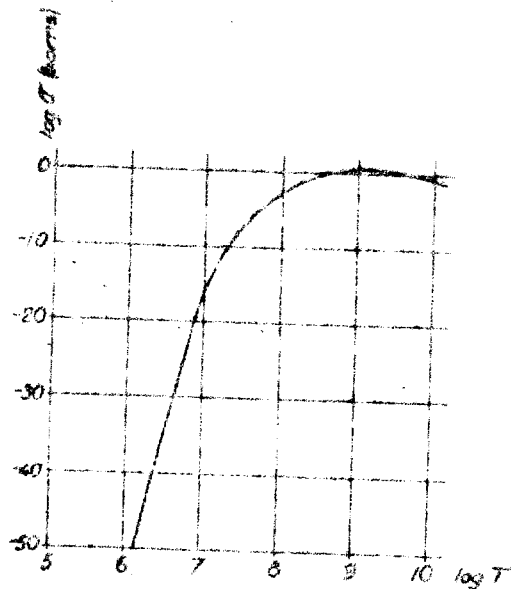
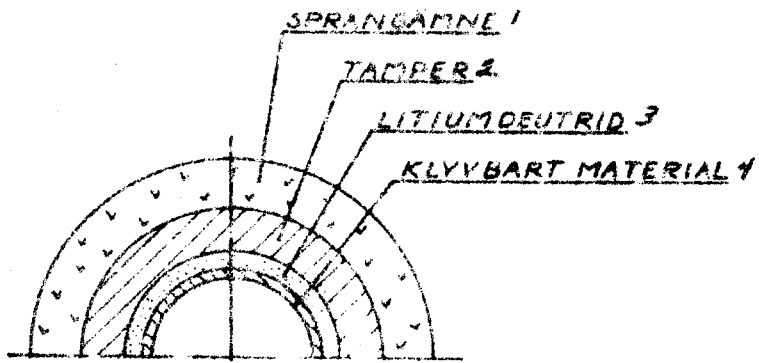


Figure 3. Variation in average effect with the temperature for the reaction $T + D \rightarrow He^4 + n$. 1 barn = 10^{-24} cm².



- | | |
|---------------|-------------------------|
| 1. Explosives | 3. Litium deutride |
| 2. Tamper | 4. Fissionable material |

Figure 4. Principal design of hydrogen bomb.



Figure 13. Simple shelters near ground zero at Nagasaki which protected persons within them from all effects of the atomic bomb.

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